P.W.G. 17

NO

1st and final Bill

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Reference paras 158 & 170

AEE, YSTSD

Division Yelahanka

Sub division Yelahanka New Town

YNK-DBR No. 66 Date 19.09.19

Bills received No

Sub-divisional / Divisional

SBR No: 35/19-20

Cash book vr No

Date: Date 3/9/2019

Sheduled Docket No

Head of account P-3293

Name of work(as per sanctioned estimate)

NAME OF WORK : Providing drinking water facility in ward no:03

Work Code:003-19-000059

Name of contractor and full address :-

Technical Manager (west)

Reference to agreement No :- 98

Estimated cost : 10.00

Work order No:98, dt:14/08/2019

Certified that the measurments were taken by me on 28/8/2019 and recorded on pages 369329 to 369338 measurment book No 3694/2019-20 and the work is satisfactorily executed by the contractor.

Signature of contractor

Asst. Engineer

28/8/2019.

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Certified that the measurments were taken by me on 28/08/19 and recorded correct The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

28/8/19

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಪಟ್ಟಣ ಉಪವಿಭಾಗ.
ಕ.ಪ.ಅ.ಕ. ಬೆಂಗಳೂರು-106

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%---------		
3) Balance---	Total —	988460-00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount	CGST	8826-00
	SGST	8826-00
	IT	9885-00
b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash	LC	9885-00
	CBF	988-00
	LB	1298-00
Total	TD	39708-00
5). Balance being unpaid value of work done held in reserve	NET	948752-00
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor.		
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

Reciept Stamp

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Dated signature of contractor

paid by me cheque No dated

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Cash Rs

Date Initials of officer making payment

Audited & Admitted for Rs. 988460/-

Nine lacky eighty eight thousand four hundred & sixty only

948752/-

by Cheque

Date Rs. 39708/-

Executive Engineer

Accts. Supdt
yelahanka Division
BBMP

Exe. Engineer
yelahanka Division
BBMP

Sl. No	Items grouped under Sub-heads and sub-works of the estimate	Unit	Previous Measure		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site.,	Each BW			1.00	1938.46	1938.46	1.00	1938.46
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) 29/I.1 PRED SR 2006-07 and as per with all lead and lift complete as per specification as per direction of Engineer incharge.	Rmtr					0.00	0.00	0.00
	0 to 50 m				50.00	315.18	15759.00	50.00	15759.00
	50 to 100 m				50.00	412.00	20600.00	50.00	20600.00
	100 to 150 m				50.00	458.35	22917.50	50.00	22917.50
	150 to 200 m				50.00	484.10	24205.00	50.00	24205.00
	200 to 250 m				50.00	560.32	28016.00	50.00	28016.00
	250 to 300 m				50.00	600.49	30024.50	50.00	30024.50

3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) as per corragandam with all lead and lift complete as per specification as per direction of Engineer incharge.	Rmtr			80.00	1325.00	106000.00	80.00	106000.00
4	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work with all lead and lift complete as per specification as per direction of Engineer incharge	Rmtr			25.00	1133.00	28325.00	25.00	28325.00
5	175mm M S Casing cap	Each			1.00	100.00	100.00	1.00	100.00
6	Providing and fixing of clampset and borewell cap to the pump				1.00	450.00	450.00	1.00	450.00
7	Providing ad 175 dia MS loar etc MS Casing pipe collars C class	Each			15.00	150.00	2250.00	15.00	2250.00

8	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage. SE RDED Approved Rate with all lead and lift complete as per specification as per direction of Engineer incharge.	No			1.00	70600.00	70600.00	1.00	70600.00
9	Providing GI pipe pipes confirming to IS specification of approooved make with fittings such as bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per dierection including all lead & lift etc.., complete A grade (Excluding cost of fitting) b50 mm dia GI pipes (SR 2015-16 PWDS page No XVII code 509 0154) B calss pipe 50 mm dia	Each			275.00	431.00	118525.00	275.00	118525.00

10	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 46/ I No. 30-B 4.0 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2007-08 3/2008-09 4538/19.01.2009 (1x3x6.00 Sqmm PVC cable)	mt			290	188.70	54723.00	290.00	54723.00
11	Heavy duty collar	No			15	150.00	2250.00	15.00	2250.00
12	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09	No			1	3000.00	3000.00	1.00	3000.00
13	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 51/ I No.6.66 /f KPWD Electrical SR 2014-2015	No			1	302.00	302.00	1.00	302.00
14	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class. 4 core 16 Sqmm(confirming to IS 1554)P.NO(-553,s.no-10(d)bwssb sr(13-14)	Mtr			30	169.95	5098.50	30.00	5098.50

15	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, P-68 /I.No.7.8.1a) KPWD Electrical SR 2014-2015	M			40	10.80	432.00	40.00	432.00
16	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 P No. 68/ I. No. 7.93 KPWD Electrical SR 2014-2015	Mr			25	85.00	2125.00	25.00	2125.00
17	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class P. No. 69/ I No.15-A KPWD Electrical SR 2014-2015	Mtr			4	345.00	1380.00	4.00	1380.00
18	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 69/ I No. 7.132 KPWD Electrical SR 2014-2015	No			1	280.00	280.00	1.00	280.00
19	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, P-62, I.No.7) KPWD Electrical SR 2014-2015	No			1.00	2727.00	2727.00	1.00	2727.00

20	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / [illegible]sing necessary nuts, bolts and washer etc., complete.... P No. 52/I No 6.73 KPWD Electrical SR 2014-2015	No			3.00	234.00	702.00	3.00	702.00
21	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13-7.1-4 P.No. 9/I No. 13.55 PWD SR 2015-2016	No			1.00	1579.40	1579.40	1.00	1579.40
22	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 95/ I. No. 13.81.3 PWD SR 2015-2016	No			1.00	227.90	227.90	1.00	227.90
23	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc coomplete(p.noxxxv11 pwd sr-2015-2016)	No			4.00	104.30	417.20	4.00	417.20
24	Supplying shunt trip capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications(p.no54 S.NO6.13 KPWD SR 2013-2014)	No			1.00	1486.00	1486.00	1.00	1486.00
25	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing	No			1.00	1547.00	1547.00	1.00	1547.00

26	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.35 P.No. 57 I. No.6.41 .20 KPWD Electrical SR 2014-2015	sq.cm			23400.00	0.34	7956.00	23400.00	7956.00
27	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous	No			1.00	11000.00	11000.00	1.00	11000.00
28	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2018-2019	cum			292.50	161.71	47300.18	292.50	47300.18

29	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.3 item No.4.2 PRE SR 2008-09.	Rmtr			390.00	475.94	185616.60	390.00	185616.60
30	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50mm, and lift upto 1.5m, including cost of all labour complete as per specifications, No. 6/ Item No. 2.11/ PWD SR 2018-2019	cum			292.50	128.26	37516.05	292.50	37516.05
31	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 (P.89/I.13.37 PWD SR - 2018-2019)	each			8.00	1843.34	14746.72	8.00	14746.72
						TOTAL	852123.01		852123.01
						12% GTS	102254.76		102254.76
						KRIDL charges	34084.92		34084.92
						BESCOM	10000.00		10000.00
						GRAND TOTAL	998462.69		998462.69

Certificate:
Certified that the contractor has work done satisfactorily.
The contractor has removed the debries from work site.
There is no dept. materials issued to the contractor.

Asst. Engineer
Ward no:03
28/8/2019

852121:00
GST 102254:00
12 KRIDL 34085:00
998460:00

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP, Bangalore-64.